

# Confocal Imaging Through Thick Dermal Tissue

## Abstract

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*Sub 42* → A handheld confocal imaging system for in vivo  
observation of dermal and subdermal tissue allows diagnosis of  
conditions substantially beneath the surface of the skin. A  
confocal head has optics which scan the tissue so as to provide  
images of vertical sections of the tissue. Both two and three  
10 dimensional imaging may be provided for diagnosis and location of  
basal cell carcinomas and melanomas, and so as to enable  
visualization of tumor borders prior to excision.